

Vegas PBS Senior Engineer

Position Details

Class Code: 4886

Job Family: Broadcast/Communications

Classification: Support Professional

Terms of Employment: [Pay Grade 62 on the Support Professional Salary Schedule](#)

FLSA STATUS: NON-EXEMPT

Position Summary

Under direction, operates, maintains, and plans Vegas PBS technical facilities, including digital broadcasting/cable equipment, integrated electronic media storage/servers, software master control automation/distribution systems, main transmitter, multiple translator sites, and computer systems technical core; supervises technical personnel.

Essential Duties and Responsibilities

This list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Serves as alternate Chief Operator of Clark County School District transmitter sites, when required.
2. Assists the Chief of Broadcast Operations in technical design, facility planning/upgrades, and Technical Department management.
3. Operates, maintains, and repairs facilities, broadcasting equipment, computer systems, integrated servers/software integration, television transmission/reception systems, studio editing systems, and other related systems/equipment.
4. Participates in developing equipment and software specifications for proposed data processing systems.
5. Oversees/coordinates the planning and implementation of computer hardware/software installations and upgrades alongside vendors/staff.

6. Assists in diagnosing computer system malfunctions and coordinating/implementing repairs.
 7. Assists in preparing and managing the Technical Department budget.
 8. Represents Vegas PBS at community meetings and local agencies; provides technical information regarding broadcasting issues.
 9. Assists in developing computer hardware/software disaster recovery plans.
 10. Supervises/coordinates the installation, repair, and operation of master control and studio recording equipment at remote production locations alongside vendors/staff.
 11. Oversees/prepares required project reports in compliance with grant specifications and Federal Communications Commission (FCC), Society of Broadcast Engineers (SBE), America's Public Television Stations (APTS), and Public Broadcast Service (PBS) rules.
 12. Researches, evaluates, designs, and recommends new technology, including video distribution systems, satellites, and web-based/fiber-optic technologies for video service integration/automation.
 13. Assists in developing and submitting federal grant applications for new/upgraded instructional and public broadcast systems/equipment.
 14. Coordinates and assigns staff to attend conferences, seminars, and trade shows to keep current on television broadcasting and communications industry developments.
 15. Prepares required facility and operation reports.
 16. Surveys and evaluates land sites for the placement/development of technical facilities and equipment.
 17. Maintains accurate documentation of information required by FCC, SBE, Bureau of Land Management (BLM), and Occupational Safety and Health Administration (OSHA).
 18. Oversees and prepares work schedules, resolves schedule scheduling conflicts, trains, supervises, and evaluates assigned staff (i.e., Telecommunications Specialists I and II, Master Control Specialist, and student workers), as assigned.
 19. Oversees engineering functions; adjusts cameras and performs editing in support of studio recordings, remote productions, and live broadcasts.
 20. Conforms to safety standards, as prescribed.
 21. Performs other tasks related to the position, as assigned.
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Distinguishing Characteristics

Involves broad technical expertise in broadcast facility computers, software, and mechanical systems.

Knowledge, Skills, and Abilities (Position Expectations)

1. Embraces, supports, and develops the corporate culture of teamwork, diversity, integrity, inclusion, excellence, and service.
2. Knowledge of project management principles/practices.
3. Knowledge of local and wide area network (LAN/WAN) technology.
4. Knowledge of digital television transmitting, microwave, satellite, translator, web streaming, and studio equipment.
5. Knowledge of television production activities.
6. Comprehensive knowledge of all Telecommunications Specialist II position skills and abilities.
7. Operational understanding of master control systems/software, and ability to facilitate workflows.
8. Ability to operate electronic testing equipment.
9. Ability to read schematics.
10. Ability to read, interpret, and apply FCC, SBE, BLM, and OSHA rules/regulations.
11. Ability to analyze computer automation systems.
12. Ability to operate and maintain television equipment.
13. Ability to interpret financial/budgeting documents and processes.
14. Ability to write/prepare grants.
15. Ability to work cooperatively with employees, other agencies, vendors, and the public.
16. Ability to recognize/report hazards and apply safe work methods.
17. Possess physical and mental stamina commensurate with the responsibilities of the position.

Position Requirements

Education, Training, and Experience

1. High school graduation or other equivalent (i.e., General Educational Development (GED), foreign equivalency, etc.)
2. Bachelor's degree from an accredited college/university in computer science, electronic engineering, or a related field, and six (6) years' experience operating/supporting broadcast automation computer control systems and

- repairing/maintaining broadcasting equipment, including supervisory responsibilities; or,
Associate's degree from an accredited college/university in computer science, electronic engineering, or a related field, and eight (8) years' experience as described above; or,
Ten (10) years' experience as described above.
3. Must obtain OSHA 10 certification within six (6) months of hire.

Licenses and Certifications

1. A valid driver's license that allows the applicant/employee to legally operate a motor vehicle in Nevada. License must be maintained for the duration of the assignment.
2. Copy of current driving history (dated within six (6) months from the date printed) issued by the Department of Motor Vehicles (DMV) is required at the time of application or Qualified Selection Pool placement (QSP) and at the time of interview prior to final selection.
3. Safe driving record, which must be maintained for the duration of the assignment.

Preferred Qualifications

SBE Operators and Cisco Certified Network Associate (CCNA) A+ certifications.

Document(s) Required at Time of Application

1. High school transcripts or other equivalent (i.e., GED, foreign equivalency, etc.)
 2. Transcript(s) from an accredited college/university, if applicable.
 3. Copy of OSHA 10 certification, if applicable.
 4. Copy of a valid driver's license that allows the applicant/employee to legally operate a motor vehicle in Nevada.
 5. Copy of current driving history (dated within six (6) months from the date printed) issued by the DMV. Must have safe driving record.
 6. Specific documented evidence of training and experience to satisfy qualifications.
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Examples of Assigned Work Areas

CCSD/Vegas PBS facilities, schools, classrooms, and remote location sites.

Work Environment

Strength

Medium/heavy - exert force of 50-100 lbs., occasionally; 25-50 lbs., frequently; 10-20 lbs., constantly.

Physical Demand

Frequent sitting, standing, walking, pushing, pulling, stooping, kneeling, crouching, reaching, handling, and repetitive fine motor activities. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Vision: Frequent near acuity, occasional far acuity, and color vision. Vision to read printed and online materials, a Video Display Terminal (VDT) screen, or other monitoring devices.

Environmental Conditions

Varies from climate-controlled office settings to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

Hazards

Frequent electrical shock hazards, furniture, office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment.)

Examples of Equipment/Supplies Used to Perform Tasks

District-issued/personal vehicles, aerial work platform (AWP), pallet jacks, electrical generators, volt/amp meters, television test equipment, soldering iron, fiber-optic transceivers, computer servers, switches, routers, vector scopes, waveform meters, bar and tone generator, personal protective equipment (PPE), etc.

AA/EOE Statement

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender

identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

Job Revision Information

- Revised: 07/21/23
- Created: 09/01/22